

Applicants: Donghui Cui, et al.  
U.S. Serial No.: Not Yet Known  
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**Information Disclosure Statement**

In accordance with their duty of disclosure under 37 C.F.R. § 1.56, applicants would like to direct the Examiner's attention to the following reference which is listed on the attached Form PTO-1449 (**Exhibit A**) and a copy of which is attached hereto as **Exhibit 1**:

1. U.S. Serial No. 09/873,746, filed June 4, 2001, Donghui Cui, et al. (**Exhibit 1**).

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following disclosures which are listed on the attached Form PTO-1449 (**Exhibit A**) and which were previously submitted or cited in connection with the prosecution of U.S. Serial No. 09/873,746 from which the subject application claims priority under 35 U.S.C. §120. According to 37 C.F.R. § 1.98(d), copies of patents or publications that were previously cited by, or submitted to, the Patent Office in connection with such prior applications need not accompany the Information Disclosure Statement. Accordingly, copies of the following references are not attached to this Information Disclosure Statement.

1. U.S. Patent No. 4,438,117, issued March 20, 1984, Cherkofsky;
2. U.S. Patent No. 4,684,653, issued August 4, 1987, Taylor, et al.;
3. U.S. Patent No. 4,684,655, issued August 4, 1987, Atwal;
4. U.S. Patent No. 4,684,656, issued August 4, 1987, Atwal;

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5. U.S. Patent No. 4,703,120, issued October 27, 1987, J.B. Press;
6. U.S. Patent No. 4,728,652, issued March 1, 1988; Atwal;
7. U.S. Patent No. 4,845,216, issued July 4, 1989; Taylor, et al.;
8. U.S. Patent No. 4,855,301, issued August 8, 1989; Atwal, et al.;
9. U.S. Patent No. 4,882,334, issued November 21, 1989; Shih G., et al.;
10. U.S. Patent No. 4,902,796, issued February 20, 1990; Taylor, et al.;
11. U.S. Patent No. 4,946,846, issued August 7, 1990; Nomura, et al.;
12. U.S. Patent No. 5,134,145, issued August 28, 1992; Brouwer, et al.;
13. U.S. Patent No. 5,149,810, issued September 22, 1992; Perrior, et al.;
14. U.S. Patent No. 5,202,330, issued April 13, 1993; Atwal, et al.;
15. U.S. Patent No. 5,250,531, issued October 5, 1993; Cooper;
16. U.S. Patent No. 5,292,740, issued March 8, 1994; Burri, et al.;

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17. U.S. Patent No. 5,521,189, issued May 28, 1996; Boykin, et al.
18. U.S. Patent No. 5,541,186, issued July 30, 1996; Breu, et al.;
19. U.S. Patent No. 5,500,424, issued March 19, 1996; Nagamine, et al.;
20. U.S. Patent No. 5,594,141, issued January 14, 1997; Yuan, et al.;
21. U.S. Patent No. 5,942,517, issued August 24, 1999; Nagarathnam, et al.;
22. PCT International Publication No. WO 99/48530, published September 30, 1999;
23. PCT International Publication No. WO 99/07695, published February 18, 1999;
24. PCT International Publication No. WO 98/51311, published November 19, 1998;
25. PCT International Publication No. WO 97/42956, published November 20, 1997;
26. PCT International Publication No. WO 94/22829, published October 13, 1994;
27. PCT International Publication No. WO 94/10989, published May 26, 1994;

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28. PCT International Publication No. WO 92/14453, published September 3, 1992;
29. PCT International Publication No. WO 92/00741, published January 23, 1992;
30. European Patent Application No. 0 627 427, published December 7, 1994;
31. European Patent Application No. 0 622 369 published November 2, 1994;
32. European Patent Application No. 0 622 366, published November 2, 1994;
33. European Patent Application No. 0 459 666 published December 4, 1991;
34. European Patent Application No. 0 400 655, published December 5, 1990;
35. European Patent Application No. 0 280 227, published August 31, 1988;
36. European Patent Application No. 0 237 347 published September 16, 1987;
37. European Patent Application No. 0 236 902, published September 16, 1987;
38. European Patent Application No. 0 234 830, published September 2, 1987;

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39. European Patent Application No. 0 204 317, published December 10, 1986;
40. European Patent Application No. 0 162 208, published November 27, 1985;
41. French Application No. 2,610,625; August 12, 1988;
42. Japanese Patent Application No. 56-59778, May 23, 1981;
43. Japanese KOKAI 62-265271, November 18, 1987;
44. Japanese KOKAI No. 62-87574, April 22, 1987;
45. Japanese KOKAI 61-282367, December 12, 1986;
46. Atwal, et al., "Dihydropyrimidine Calcium Channel Blockers. 2.3-Substituted-4-aryl-1,4-dihydro-6-methyl-5-pyrimidinecarboxylic Acid Esters as Potent Mimics of Dihydropyridines," *J. Med. Chem.* 33: 2629-2635 (1990);
47. Atwal, et al., "Dihydropyrimidine Calcium Channel Blockers. 3.3-Carbamoyl-4-aryl-1,2,3,4-tetrahydro-6-methyl-5-pyrimidenecarboxylic Acid Esters as Orally Effective Antihypertensive Agents," *J. Med. Chem.* 34: 806-811 (1991);
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49. Atwal, et al., "Substituted 1,4-Dihydropyrimidines. 3. Synthesis of Selectively Functionalized 2-Hetero-1,4-dihydropyrimidines," *J. Org. Chem.* 54: 5898-5907 (1989);
50. Atwal, et al., "Synthesis of Substituted 1,2,3,4-Tetrahydro-6-Methyl-2-Thioxo-5-Pyrimidinecarboxylic Acid Esters," *Heterocycles* 26: 1189-1192 (1987);
51. Atwal, et al., "Dihydropyrimidine Calcium Channel Blockers. 3.3-Carbamoyl-4-aryl-1,2,3,4-tetra-hydro-6-methyl-pyrimidenecarboxylic Acid Esters as Orally Effective Antihypertensive Agents," *J. Med. Chem.* 34(2):76-81 (1191);
52. Barrio, et al., "A Direct Method For Preparation of 2-Hydroxyethoxymethyl Derivatives of Guanine, Adenine, and Cytosine," *J. Med. Chem.* 23(5): 572-574 (1980);
53. Boer, et al., "(+)-Niguldipine binds with very high affinity to  $Ca^{2+}$  channels and to a subtype of  $\alpha_1$ -adrenoceptors," *Eur. J. Pharm. - Mol. Pharm. Sec.* 172: 131-145 (1989);
54. Brown, et al., "Inhibitors of *Bacillus subtilis* DNA Polymerase III. 6-(Arylalkylamino)uracils and 6-Anilinouracils," *J. Med. Chem.* 20(9): 1186-1189 (1977);
55. Cho, et al., "Dihydropyrimidines: Novel Calcium Antagonists with Potent and Long-Lasting Vasodilative and Antihypertensive Activity," *J. Med. Chem.* 32: 2399-2406 (1989);
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- Dihydropyrimidin-2(1H) or (3H) - One," *Tetrahedron Ltrs* 29(42): 5405-5408 (1998);
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61. McGrath, et al., "Alpha-Adrenoceptors: A Critical Review," *Med. Res. Rev.*, 9(4): 407-533 (1989);
62. Rovnyak, et al., "Dihydropyrimidine Calcium Channel Blockers. 4. Basic 3-Substituted-4-aryl-1,4-dihydropyrimidine-5-carboxylic Acid Esters," *J. Med. Chem.* 35: 3254-3263 (1992);
63. Spiers, et al., "UK-52,046 (A Novel  $\alpha_1$ -Adrenoceptor Antagonist) and the Role of  $\alpha_1$ -Adrenoceptor Stimulation and Blockade on Atrioventricular Conduction," *J. Cardio. Pharm.*, 16: 824-830 (1990);

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64. Triggler, "Dihydropyrimidine Calcium Channel Blockers. 2,3-Substituted 4-Aryl-1,4-dihydro-6-methyl-5-pyrimidine-Carboxylic Acid Esters as Potent Mimics of Dihydropyridines," *Chemtracts. - Org. Chem.*, pg 68-72 (Jan/Feb 1991);
65. Wetzel, et al., "Discovery of  $\alpha_1$ -Adrenergic Receptor Antagonists Based on the L-Type  $\text{Ca}^{2+}$  Channel Antagonist Niguldipine," *J. Med. Chem.*, 38(10): 1579-1581 (1995);
66. Zhan, et al., "Bunazosin Reduces Intraocular Pressure By Increasing Uveoscleral Outflow In Rabbits," *Invest. Ophthalm. and Visual Science*, 34: Abst. No. 1133-49, pg. 928 (1993);
67. PCT International Publication No. WO 96/14846, published May 23, 1996;
68. U.S. Patent No. 6,207,444, issued March, 2001, Sidler, et al.;
69. U.S. Patent No. 6,245,773, issued June, 2001, Wong, et al.;
70. U.S. Patent No. 6,268,369, issued July, 2001, Nagarathnam, et al.; and
71. U.S. Patent No. 6,274,585, issued August, 2001, Cui, et al.

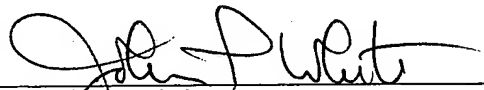
If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.



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No fee, other than the enclosed fee of \$806.00 for filing the subject application, is deemed necessary in connection with the filing of this Preliminary Amendment and Information Disclosure Statement. However, should any additional fee be found necessary, authorization is hereby given to charge such fee to Deposit Account No. 03-3125.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "John P. White", is written over a horizontal line.

John P. White  
Registration No. 28,678  
Attorney for Applicants  
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1185 Avenue of the Americas  
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(212) 278-0400

Form PTO-1449

U.S. Department of Commerce  
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Atty. Docket No.

1795/57107-AAA/JPW/ANX

Serial No.

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INFORMATION DISCLOSURE CITATION  
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Applicant:

Donghui Cui, et al.

Filing Date:

Herewith

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4 4 3 8 1 1 7	3/20/84	Cherkofsky			
	4 6 8 4 6 5 3	8/4/87	Taylor, et al.			
	4 6 8 4 6 5 5	8/4/87	Atwal			
	4 6 8 4 6 5 6	8/4/87	Atwal			
	4 7 0 3 1 2 0	10/27/87	J.B. Press			
	4 7 2 8 6 5 2	3/1/88	Atwal			
	4 8 4 5 2 1 6	7/4/89	Taylor			
	4 8 5 5 3 0 1	8/8/89	Atwal			
	4 8 8 2 3 3 4	11/21/89	Shih			
	4 9 0 2 7 9 6	2/20/90	Taylor			
	4 9 4 6 8 4 6	8/7/90	Nomura			
	5 1 3 4 1 4 5	8/28/92	Brouwer, et al.			
	5 1 4 9 8 1 0	9/22/92	Perrior, et al.			
	5 2 0 2 3 3 0	4/13/93	Atwal, et al.			
	5 2 5 0 5 3 1	10/5/93	Cooper			
	5 2 9 2 7 4 0	3/8/94	Burri, et al.			
	5 5 2 1 1 8 9	5/28/96	Boykin, et al.			
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	5 5 0 0 4 2 4	3/19/96	Nagamine, et al.			
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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
WO	9 9 4 8 5 3 0	9/30/99	PCT				
WO	9 9 0 7 6 9 5	2/18/98	PCT				
WO	9 8 5 1 3 1 1	11/19/98	PCT				
WO	9 7 4 2 9 5 6	11/20/97	PCT				
WO	9 4 2 2 8 2 9	10/13/94	PCT				
WO	9 4 1 0 9 8 9	5/26/94	PCT				
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WO	9 2 0 0 7 4 1	1/23/92	PCT				
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	0 6 2 2 3 6 9	11/2/94	EPO				

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Exhibit A

Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No. 1795/  
57107-AAA/JPW/ANXSerial No.  
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6	2 2 6 5 2 7 1	11/18/87	Japanese-KOKAI				
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	Atwal, et al., "Substituted 1,4-Dihydropyrimidines. 3. Synthesis of Selectively Functionalized 2-Hetero-1,4-dihydropyrimidines," <i>J. Org. Chem.</i> 54: 5898-5907 (1989);
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant: Donghui Cui, et al.			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Boer, et al., "(+)-Niguldipine binds with very high affinity to Ca <sup>2+</sup> channels and to a subtype of $\alpha_1$ -adrenoceptors," <i>Eur. J. Pharm. - Mol. Pharm. Sec.</i> 172: 131-145 (1989);					
		Brown, et al., "Inhibitors of <i>Bacillus subtilis</i> DNA Polymerase III. 6-(Arylalkylamino)uracils and 6-Anilinouracils," <i>J. Med. Chem.</i> 20(9): 1186-1189 (1977);					
		Cho, et al., "Dihydropyrimidines: Novel Calcium Antagonists with Potent and Long-Lasting Vasodilative and Antihypertensive Activity," <i>J. Med. Chem.</i> 32: 2399-2406 (1989);					
		Cho, et al., "Regioselective Synthesis of N-Substituted Dihydropyrimidin-2(1H) or (3H) - One," <i>Tetrahedron Ltrs</i> 29(42): 5405-5408 (1998);					
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		Khanina, E.L., et al., Alkylation of derivatives of 2-oxo-4-phenyl-6-methyl-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid. <i>Chem Abs.</i> 89: 43319 (1978);					
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		McGrath, et al., "Alpha-Adrenoceptors: A Critical Review." <i>Med. Res. Rev.</i> , 9(4): 407-533 (1989);					
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Examiner Initial		Document Number						Date	Name	Class	Subclass	Filing Date if Appropriate	
		US	6	2	0	7	4	4	4	03/01	Siderler, et al.		
		US	6	2	4	5	7	7	3	06/01	Wong, et al.		
		US	6	2	6	8	3	6	9	07/01	Nagarathnam, et al.		
		US	6	2	7	4	5	8	5	08/01	Cui, et al.		
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		Document Number						Date	Country	Class	Subclass	Transla tion	
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